

Converting Colors

XYZ(67.6415, 70.1499, 80.9572)

Have a look what the booklet for
XYZ(67.6415, 70.1499, 80.9572)
contains.

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Color

**XYZ(67.6169, 70.1220,
81.2053)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD9E1
RGB	219, 217, 225
RGB Percent	86%, 85%, 88%
CMY	0.1412, 0.1490, 0.1176
CMYK	0.03, 0.04, 0.00, 0.12
HSL	255°, 12%, 87%
HSV	255°, 4%, 88%
XYZ	67.6169, 70.1220, 81.2053
YIQ	218.5100, -1.3760, 2.9120

Conversions

Conversions Part 2

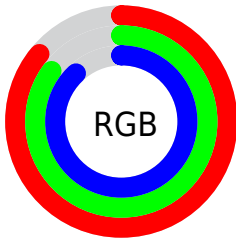
Format	Color
R _Y B	219, 217, 225
Decimal	14408161
CIE Lab	87.06, 2.14, -3.69
CIE LCh	87, 4.265, 300.125
Yxy	70.1220, 0.3088, 0.3203
Android (android.graphics.Color)	4292598241 (0xFFD9E1)
YUV	218.5100, 3.1996, 0.4297
Hunter-Lab	83.7389, -2.4091, 1.1211

Details

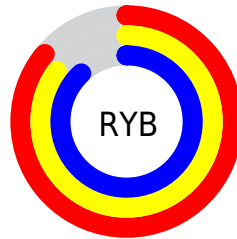
The XYZ color **67.6169, 70.1220, 81.2053** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8836, 74.5500, 76.3555**, and the grayscale version is **66.9736, 70.4615, 76.7325**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4859, 36.6355, 43.2313** is the 20% darker color. If you saturate the color by 10%, you get **57.3847, 56.8183, 79.1778**, and if you desaturate by 10%, it is **79.1590, 85.2786, 83.5235**.

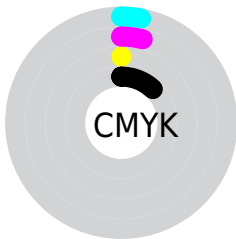
Distribution



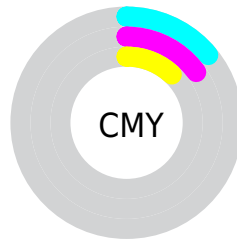
- Red (86%)
- Green (85%)
- Blue (88%)



- Red (86%)
- Yellow (85%)
- Blue (88%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (14%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6169, 70.1220, 81.2053 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 67.6169, 70.1220, 81.2053 by changing the saturation by 10% instead.

■ 67.6169, 70.1220,
81.2053

■ 67.6169, 70.1220,
81.2053

441.5355,
460.9783, 518.7990

■ 49.8587, 51.6260,
60.1787

114.8488,
119.3827, 136.8857

■ 35.5184, 36.7071,
43.1365

145.0533,
150.9162, 172.3765

■ 24.2309, 24.9808,
29.6600

180.1371,
187.5644, 213.5259

■ 15.6307, 16.0627,
19.3308

220.4658,
229.7115, 260.7523

■ 9.3524, 9.5685,
11.7303

266.4046,
277.7421, 314.4742

■ 5.0307, 5.1138,
6.4400

318.3189,

■ 2.3002, 2.3142,

332.0405, 375.1103

3.0414

376.5741,
392.9911, 443.0791

■ 0.7948, 0.7812,
1.1158

■ 0.0000, 0.0000,
0.0000

■ 67.6169, 70.1220,
81.2053

■ 67.6169, 70.1220,
81.2053

■ 57.3847, 56.8183,
79.1778

■ 79.1590, 85.2786,
83.5235

■ 48.4092, 45.2870,
77.4251

■ 89.7737, 97.7951,
85.3800

■ 40.6425, 35.4551,
75.9367

■ 90.5908, 98.2163,
85.4183

■ 34.0313, 27.2409,
74.6996

■ 28.5180, 20.5558,
73.6999

■ 24.0402, 15.3027,
72.9219

■ 20.5283, 11.3730,
72.3485

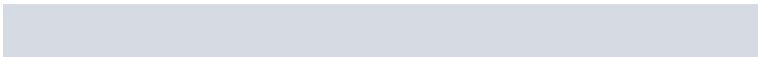
■ 17.9037, 8.6420,
71.9597

■ 16.0737, 6.9596,
71.7314

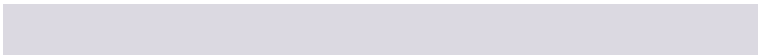
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6530, 70.1220, 81.9814



67.6169, 70.1220, 81.2053



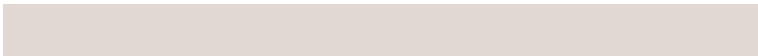
68.3272, 70.1220, 79.1222

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6169, 70.1220, 81.2053



67.6096, 70.1220, 71.6825



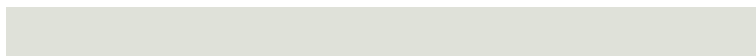
64.7477, 70.1220, 76.3629

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.6169, 70.1220, 81.2053



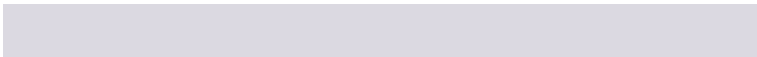
69.8836, 74.5500, 76.3555

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.9982, 70.1220, 73.6452



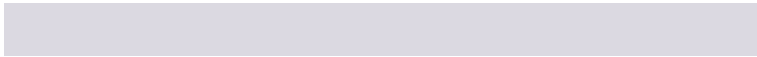
67.6169, 70.1220, 81.2053



66.6447, 70.1220, 70.9844

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6169, 70.1220, 81.2053



68.3230, 70.1220, 73.6250



65.6901, 70.1220, 71.6940



65.0023, 70.1220, 79.1434

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6169, 70.1220, 81.2053



68.5579, 70.1220, 77.2977



65.6901, 70.1220, 71.6940



64.7756, 70.1220, 75.4120

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.6189, 70.1250, 81.2068



93.5415, 98.0227, 108.5979



68.6315, 73.0367, 81.7155



20.0376, 21.0017, 23.2476



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6189, 70.1250, 81.2068



89.1221, 92.2411, 107.7148



68.7961, 70.7319, 81.2619



14.3340, 14.7920, 17.4873



8.8673, 3.6666, 41.2887



0.6958, 0.2960, 2.8657

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.1859, 70.9641, 79.8665



91.4745, 93.5009, 105.6987



68.7055, 73.9427, 76.3003



14.7808, 15.0313, 17.1033



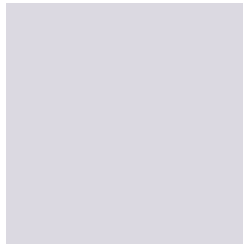
22.0592, 10.8907, 22.7755



1.5641, 0.7689, 1.7634

Previews

White Background



This preview shows how the XYZ color 67.6169, 70.1220, 81.2053 looks on a white background.

Color Contrast Check

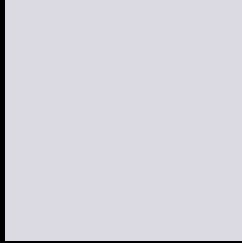
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.6169, 70.1220, 81.2053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

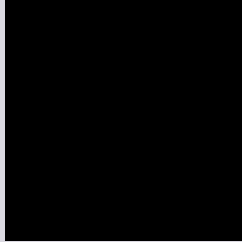
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

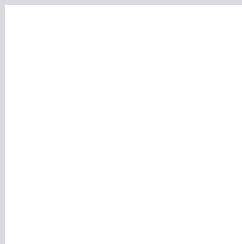
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6169, 70.1220, 81.2053

Background



This preview shows how black text looks on a background with the XYZ color 67.6169, 70.1220, 81.2053.

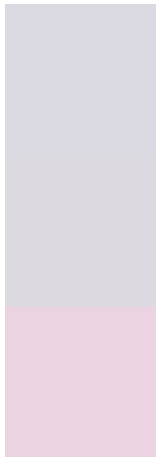


This preview shows how white text looks on a background with the XYZ color 67.6169, 70.1220,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.6169, 70.1220, 81.2053

Protanopia

67.9187, 70.2776, 81.2194

Deuteranopia

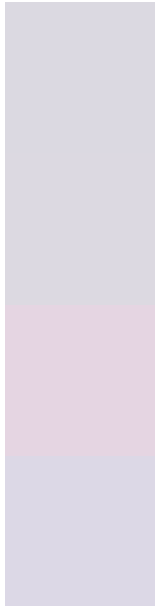
71.2827, 69.7417, 81.6560



Tritanopia

68.7790, 70.2106, 87.0177

Trichromacy



Original Color

67.6169, 70.1220, 81.2053

Protanomaly

67.9187, 70.2776, 81.2194

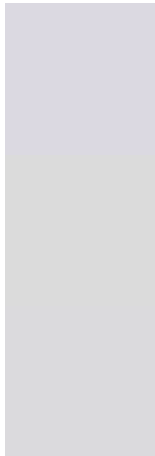
Deuteranomaly

69.8348, 69.7375, 81.7315

Tritanomaly

68.3540, 70.0405, 84.7794

Monochromacy



Original Color

67.6169, 70.1220, 81.2053

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3360, 70.4233, 78.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6169, 70.1220, 81.2053 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(219, 217, 225) looks like.

```
.text, #text, p{  
    color:rgb(219, 217, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 217, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 217, 225) }
```

Border

The CSS property to change the border of an element to XYZ 67.6169, 70.1220, 81.2053 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 217, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 217, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 217, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 217, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 217, 225);  
box-shadow:4px 4px 4px 4px rgb(219, 217,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6169, 70.1220, 81.2053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 217, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
217, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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